

WHAT IS CLAIMED IS:

1. A method for generating drawings, estimates and specifications for design of communication equipment in a structure, the method comprising the steps of:
 - (a) searching a master database for a communication product using a utility application whereas the user can enter search terms;
 - (b) importing the product selected in step (a) to a drawing application;
 - (c) exporting information about the communication product specified in step (a) to an estimating tool program which allows an estimate based on the communication product specified in step (a) to be created; and
 - (d) exporting information about the communication product specified in step (a) to a specification tool program which allows specifications of the communication product specified in step (a) to be created.
2. The method of claim 1 further comprising a step of previewing a product after step (a) before it is imported in step (b).
3. A computer for generating drawings, estimates and specification for design of communication equipment in a structure, comprising:
 - (a) a drawing tool program for selecting communication equipment to be designed in a structure and generating drawings of the selected communication equipment located in the structure wherein the drawing tool has an application that can be launched to search for product located in a master database by search terms entered by a user;

- (b) an estimation tool program communicating with the drawing tool program wherein the estimation tool program generated an estimate for the communication equipment selected in step (a);
- (c) a specification tool program communicating with the drawing tool program for generating specification of the communication equipment selected in step (a); and
- (d) a processor for running the drawing tool program, the estimation tool program and specification tool program.

4. A computer-readable medium having computer-executable instructions for the method recited in claim 1.

5. A computer data signal embodied in a carrier wave readable by a computing system and encoding a computer program of instructions for executing a computer program of instructions for executing a computer program performing the method recited in claim 1.

6. A system for generating drawings, estimates and specifications for design of communication equipment in a structure, the system comprising:

a general purpose computing device;

a computer program comprising one or more program modules executable by the computing device wherein the program module comprise a drawing tool module for selecting communication equipment from a master database using search terms to be designed in a structure and generating drawings of the selected communication equipment located in the structure;

an estimating tool module communicating with the drawing tool module wherein the estimating tool module generates an estimate for the communication equipment selected using the drawing tool module; and

a specification tool module communicating with the drawing tool module for generating specifications of the communication equipment selected using the drawing tool module.

7. A method for generating drawings for design of communication equipment in a structure, the method comprising the steps of:

(a) providing a plurality of levels of technology-based drawings wherein each level represents a distinct level of detail of communication equipment;

(b) providing a utility application that allows a user to search a master databases for products using search terms; and

(c) responding to user interaction to place a product symbol selected by a user in a level selected by the user.

8. A computer according to claim 2 further comprising a database for storing information about a plurality of communication products wherein the database is coupled to communicate with the drawing tool program, the estimation tool program and the specification tool program and exchange information with those programs as needed.

9. A computer according to claim 8 wherein the information about a plurality of communication products includes manufacturer and cost.

10. A method for testing communication equipment using a hand held tester, the method comprising steps of :

(a) specifying communication equipment for a structure using a drawing tool program;

(b) identifying each piece of communication equipment with a unique identification; and

(c) downloading the unique identification of step (b) to the hand-held tester.

11. A method for generating drawings, estimates and specifications for design of communication equipment in a structure, the method comprising steps of:

(a) searching a master database for a communication product using a utility application wherein a user enters search terms;

(b) selecting a product from the search conducted in step (a);

(c) inserting the product selected in step (b) in a computerized drawing;

(d) repeating steps (a) - (c) for as many products as needed; and

(e) comparing the products inserted in step (c) with a do not forget list.

12. The method of claim 11 further comprising a step (f) of generating a list of products forgotten resulting from step (e).

13. A method for generating drawings of a communication infrastructure, the method comprising the steps of;

(a) launching a drawing tool that designs floor plans;

(b) launching a CAD Tools that has access to all products saved in a master database;

(c) using the CAD Tools;

(d) selecting a product based on the search conducted in step (c); and

(e) transferring the product selected in step (d) to the floor plan.

14. The method of claim 13 wherein step (c) comprises searching by text string.

15. The method of claim 13 whereas step (c) comprises filling the search by manufacturer or category.

16. The method of claim 13 whereas step (e) comprises pasting the selected product onto a clipboard and pasting the product on the clipboard to the drawing.